



- EEx d IIC T6 ATEX
- Absolute multiturn encoder



XAC77

ENVIRONMENTAL SPECIFICATIONS

Shock:	50 g, 11 ms (EN 60068-2-27)
Vibrations:	10 g, 10-2000 Hz (EN 60068-2-6)
Operating temperature range:	-20°C +40°C (-4°F +104°F)
Storage temperature range:	-20°C +80°C (-4°F +176°F)
	(98% R.H. without condensation)
Protection:	IP65

MECHANICAL SPECIFICATIONS

Protection mode:	EEx d IIC T6
Dimensions:	see drawing
Shaft:	Ø 14 mm
Shaft loading (axial and radial):	60 N max.
Shaft rotational speed:	6000 rpm max.
Starting torque at 20°C:	< 5 Ncm
Moment of inertia:	~ 40 gcm ²
Bearings life:	> 10 ⁹ Umdr./giri
Weight:	~ 1,1 kg
Electrical connections:	cable 1 m

ELECTRICAL SPECIFICATIONS

Output code:	Gray, Binary
Power supply:	+10Vdc +30Vdc
Output circuits:	NPN o.c., Push Pull, SSI
Input current:	150 mA max.
Output current (per channel):	40 mA max.
Output frequency:	60 kHz max.
Inputs:	• Complementary (inversion of counting direction) • Preset value (zero setting)
Accuracy:	30% LSB
Protection:	protected against inversion of polarity and short-circuit
Optoelectronic life:	100.000 hrs min.
Options:	• LATCH function • TRI-STATE function

MATERIALS

Flange:	EN AW-6082 (UNI EN 573) non corroding
Housing:	EN AW-6082 (UNI EN 573) non corroding
Bearings:	ABEC 5
Shaft and clamping ring:	1.4305 (UNI EN 10088-1)

